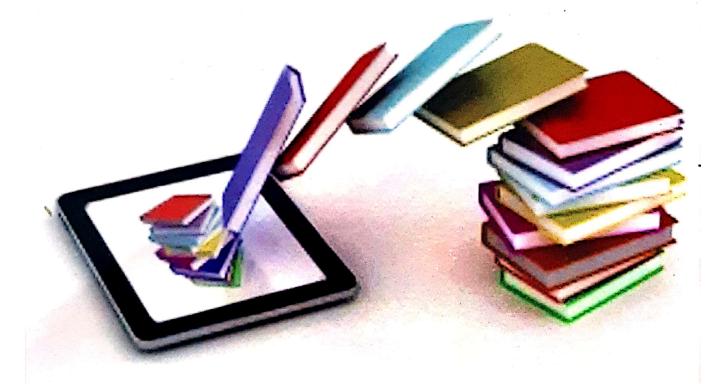
EMERGING TRENDS IN ACADEMIC LIBRARIES in ICT ERA

March



Edited by Tarsem Lal



Emerging Trends in Academic Libraries In ICT Era

Edited by **Tarsem Lal** (Librarian)

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CHAPTER 7

Awareness and use of digital resources by postgraduate students in medical colleges

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Abstract

The medical field is integrating the technologies immediately. The effect of ICT in the medical field is, increasing the generation of information and wide access to information, education, research, practice and learning. To survive in the technology driven era, medical professionals should have information literacy knowledge. Digital resources are widely used because of its features. Most of the postgraduates who are born and broughtup in the digital era. Part of their academics, they are involved in the teaching, learning, research and patient care. All these activities require them to update their knowledge. The effort is made to know the awareness and use of digital resources among the postgraduate students of medical

Keywords: Digital Resource, Digital Resources-awareness, Digital Resources-use, Medical College. Postgraduates.

Introduction

The influence of Information and Communication Technology (ICT) has changed the medical field enormously. Change is the only thing remained constant in this technology driven era. The medical field is transforming and accepting these changes very quickly. With this effect, information is doubling in the medical field in a very short period.

The learning pattern of postgraduate students is also transforming. They have started to prefer digital resources over the print resources. The price drop of mobile technologies and internet availability has also influenced to prefer the digital resources.

To survive with the ever growing information, postgraduates should have awareness about the medical information resources and about how to access the resources.

The information technology is playing a vital role in the creation of information and its usage. Information is growing in very fast pace. of information the price of the internet, mobile technologies and other The fair are attracting the people to adopt these gadgets in their life. gadgets and development, global information is available at the finger tips. Further, the basic features and advantages of digital resources have influenced to adopt and use the digital resources more frequently and comfortably.

There are different types of digital resources available in the medical field. Namely, books, journals, bibliographical databases, full-text databases, E-thesis and dissertations, Institutional Repositories, Image databases, Discussion forums and newsgroups, Library web-portals, abstracting and Indexing databases, etc.

Review of literature

The internet has become the information source. The convenient and quick access feature of digital resources is attracting the information users and they are adopting them very fast. Brown also discloses how the internet has changed the (2000)study information user's perceptions about recognizing, retrieving and using the information.

Norman (2006) Describes "Information literacy is the ability to recognize when information is needed, locate potential resources, develop appropriate search strategies, evaluate results, and apply relevant knowledge to decision-making".

Ward's (2001) and Moberg (1999) study reveals that, "e-learning among the medical faculty increased usefulness of educational interventions in the face of the social, scientific and pedagogical challenges".

Dixon (2017) expresses "healthcare moves towards technologydriven population health management, clinicians must adopt complex digital platforms to access health information and document care".

Pluye (2004) said in his study that, the impacts of information retrieval technologies as "six types of impact on physician practice: practice improvement, reassurance, learning, confirmation, recall and frustration". Further, Pluye's(2005)his one more study observations reveals that, "nearly one-third of searches using information-retrieval technology may have a positive impact on physicians".

Alison (2012) narrates, "The paradigm transition in print to Alison (2012) narranes, Alison (2012) narranes of ICT. It has the way of information digital caused by the effect of ICT. It has the way of information digital caused by the creekaged, stored and disseminated to meet the ever changing demands of user needs"

changing demands of actions (2014) study tells, "International organizations (11N) and the World Health O Trupti K Srivastavicos (UN) and the World Health Organizations such as the United Nations (UN) and the World Health Organization Communication Communication such as the Office Fallows (WHO) have acknowledged Information Communication Technology (WHO) have acknowledged Information in health correspond to the Edward education in health correspond to the Edwa (ICT) as a useful tool to address education in health care sector".

The ICT based education system will only successful when users learn to access the computers and the internet. The information communication channel has transformed the duties / skills of participants of this channel, i.e. publishers, information users and the information mediators. The boundaries of learning have removed.

The review of literature reveals that the medical postgraduate students are using the internet very frequently. They use the internet for teaching, learning, research and for patient care purposes. In India, even though the use of digital resources is less when we compare to western countries, gradually its usage is increasing. Objectives of the study

The study is undertaken to find out the awareness and usage of different digital resources by the medical postgraduate student. The main objectives of the study are as follows:

To study the level of awareness about the digital resources To study the level of usage about the digital resources

To find out the level of competency in using using digital

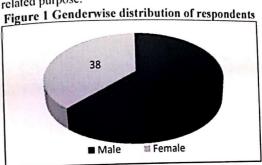
To identify the frequently used digital resources Methodology

The survey method is used in the study. A structured questionnaire was designed to collect the data from the medical postgraduate students. The questionnaires were distributed directly to 490 medical postgraduate students, correctly filled 422 questionnaires received back. The average response rate is 86%. Statistical Analysis

Qualitative data were written numerically using codes. Excel spreadsheet was used to prepare the master chart. The data were analysed using tables, diagrams and percentages. The Chi-square test was applied to find the was applied to find the association between the variables. P values \(\)
0.05 considered statistics. 0.05 considered statistically significant. Statistical Package for Social Sciences (SPSS) IBMAN and Special Sciences (SPSS) IBMAN and Special Special Package for Social Special Speci Sciences (SPSS) IBM Version 20 was used for statistical analysis.

Data analysis and Interpretation Genderwise distribution of respondents

The gender study is one of the demographic characteristics, which may influence on the use of digital resources. which that whereas females are browsing or using digital OKIKI(2017) OKIKI(for work related purpose.



The above figures shows that, out of the total respondents, the as compared to female majority is male respondents (62%) respondents.

Age wise distribution of respondents

Age is one of the factors to examining the level of awareness and use of digital resources. Tenopir in his study found that youngsters are more passionate to use the digital resources and they rely more on the information in digital form (2003). There are studies, which proved age has influenced on the use of digital resources and it also influences on the perception about the digital resources.

Table 1 Agewise distribution

Age Group	Frequency	Percent
<26	93	22
27-29	190	45
30-32	87	21
	35	8
33-35	17	4
>36	422	100
Total	422	10.5

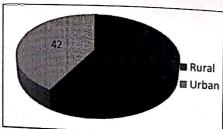
Mean \pm S.D = 28.7 \pm 2.8

The maximum number of study subjects among postgraduates in the age group of 27-29 (45%), followed by 526 The maximum number of state of 27-29 (45%), followed by \$\sigma_{0}\$ in this study was in the age group (21%). The average age of sub. age this study was in the age group (21%). The average age of $\frac{26}{\text{age}}$ age group (22%) and 30-32 age group (21%). The average age of $\frac{26}{\text{subjects}}$ was found to be 28.7 years (SD = 2.8). Social background of respondents

al background of respondences on the implementation of experiences in rural areas, with the objectives to be Several studies have been several studies ha learning technologies in total and with the use of digital resources.

Grand Isahel Pavez in their study, Digital inclusives. effect of socio-cuntum social in their study, Digital inclusion in the challenges faced by Teresa Correa and isaccinetic form of the challenges faced by people rural areas: A qualitative exploration of the challenges faced by people rural areas: A quantative surprise from isolated communities revealed that, in the ICT era, internet has reached majority of the population, and it has embedded in many human activities. Still some communities in the society are digitally barred and facing some challenges (2016). Hence this study is also collected the data on social background of the respondents.

Figure 2 Social background of P.G.



The figure 2 shows the social background of the respondents. 58% of the postgraduates are from urban and 42% are from rural

Awareness about the digital resources

The medical field is highly influenced by the technology and the information in this field is doubling very quickly. The other side postgraduates needs to update themselves and aware of the information resources available in different forms in the information

Table 2 Level of awareness ab

Digital Resources E-Books	Very much aware	More aware	igital resourd Somewhat aware	Not aware
	295(70)	106(25)	21(5)	0(0)

E-Journals	329(78)	80(19)	13(3)	0(0)
Bi	bliographic l	Databases	(-)	0(0)
MEDLINE / PUBMED	363(86)	38(9)	21(5)	0(0)
CINHAL	63(15)	80(19)	93(22)	186(44)
IndMed	46(11)	55(13)	76(18)	245(56)
WorldCat	0(0)	0(0)	51(12)	371(88)
	Full-text Da	tabases		371(00)
PUBMED Central	286(68)	106(25)	30(7)	0(0)
MedInd	38(9)	25(6)	110(26)	249(59)
Cochrane Library	72(17)	89(21)	126(30)	135(32)
Proquest	51(12)	72(17)	181(43)	118(28)
Science Direct	46(11)	38(9)	148(35)	190(45)
Wiley Online Library	63(15)	55(13)	169(40)	135(32)
MD Consult / ClinicalKey	0(0)	0(0)	42(10)	380(90)
Open J-gate	30(7)	25(6)	93(22)	274(65)
	ting and Ind	exing datab	ases	
Biological Abstracts	4(4)	26(6)	46(11)	346(82)
POPLINE	0(0)	0(0)	13(3)	409(97)
Scopus	93(22)	106(25)	126(30)	97(23)
Chemical Abstracts	0(0)	0(0)	38(9)	384(91)
C	onsortium's	resources		
HELINET	401(95)	13(3)	8(2)	0(0)
ERMED	0(0)	0(0)	8(2)	414(98)
EBSCO Publishing	8(2)	4(1)	0(0)	410(97)
The state of the s	Other	rs		
E-Thesis & Dissertations	317(75)	42(10)	17(4)	46(11)
Institutional Repository	135(32)	34(8)	38(9)	215(51)
Image Databases	8(2)	18(4)	76(18)	320(76)
E-discussion Forums & Newsgroups	114(27)	127(30)	80(19)	101(24)
Library web-portal	52(12)	72(17)	97(23)	202(48)

The table 2 shows that, levels of awareness about the popular the postgraduates. They are very much The table 2 snows that the popular digital resources among the postgraduates. They are very much aware digital resources Library & Information Network (HELDING) digital resources among the possibility and also at the about Health Science Library & Information Network (HELINET) about Health Science Library & PUBMED (86%) and also at the possibility at the possibility and also at the possibility at th about Health Science Library (95%), followed by MEDLINE / PUBMED (86%) and also about e-(95%), followed by Middle of the sis / dissertations that they know more than journals, e-books and e-thesis / dissertations that they did not be about ejournals, e-books and c-thousers. But they did not know about 70% as compared to other resources. Biological Abstracts Biological Bi 70% as compared to still MoridCat, Biological Abstracts, Popline, Chemical Abstracts, ERMED, EBSCO Publishing, etc.

Frequency of use of digital resources

Day by day digital resources are increasing very rapidly. Similarly the use of digital resourcesis also increasing with the effect of ICT. The educational institutions are also concentrating on the digital resources procurement. The increase in the open access movement also influencing the enhance in the use of digital resources. The frequency of use of digital resources also shows the level of importance of digital resources to fulfil the information needs of users. The frequency of use of digital resources also enables the more or less popular used resources.

Table 3 Frequency of use of digital resources

Digital Resources	More frequently	Frequently	Less frequently	Never				
E-Books	135(32)	164(39)	89(21)	34(8)				
E-Journals	228(54)	177(42)	17(4)	0(0)				
Bibliographic Databases								
MEDLINE / PUBMED	330(78)	38(9)	46(11)	8(2)				
CINHAL	0(0)	0(0)	0(0)	422(100)				
IndMed	0(0)	0(0)	0(0)	422(100)				
WorldCat	0(0)	0(0)	0(0)	422(100)				
	Full-text	t Databases						
PUBMED Central	135(32)	80(19)	173(41)	34(8)				
MedInd	8(2)	8(2)	64(15)	342(81)				
Cochrane Library	17(4)	4(1)	17(4)	384(91)				
Proquest	21(5)	30(7)	13(3)	358(85)				
Science Direct	0(0)	0(0)	0(0)	422(100)				

O line	0(0)	0(0)						
Wiley Online	0(0)	0(0)	0(0)	422(100)				
Library Lt.	0(0)	0(0)		722(100)				
MD Consult /	0(0)	0(0)	0(0)	422(100)				
Clinical Key	0(0)	0/0)		1.22(100)				
Open J-gate	. ,	0(0)	0(0)	422(100)				
Abstracting and indexing databases								
Biological Abstracts	0(0)	0(0)	0(0)	422(100)				
POPLINE	0(0)	0(0)	0(0)	422(100)				
Scopus	38(9)	59(14)	89(21)	236(56)				
Chemical Abstracts	0(0)	0(0)	0(0)	422(100)				
	Consortiu	m resources		(100)				
HELINET	278(66)	80(19)	34(8)	30(7)				
ERMED	0(0)	0(0)	0(0)	422(100)				
EBSCO Publishing	0(0)	0(0)	0(0)	422(100)				
	Ot	hers						
E-Thesis and Dissertations	76(18)	93(22)	143(34)	110(26)				
Institutional Repository	88(21)	51(12)	17(4)	265(63)				
Image Databases	8(2)	4(1)	22(5)	388(92)				
E-Discussion	47(11)	30(7)	13(3)	332(79)				
Forums &								
Newsgroups								
Library web-portal	30(7)	46(11)	89(21)	257(61)				

With regard to the frequency of use of different digital resources, the above table 5.9 shows that, the level of frequency of use of digital resources. It was found that Medline / PUBMEDwas used more frequently(78%) than the other resources, followed by HELINET (66%). Other than this, the postgraduates preferred e-journals 54%), e-books (32%) and PUBMED Central (32%) frequently.

Level of competency in the using digital resources

To cope up with the ever changing technology and growing resources, digital information users need to be competent in using digital resources. They should possess information literacy skills to track the growing information.

Dare Samuel Adeleke and Evelyn Nkechi Emeahara study reveals that, "the low level of usage of electronic resources, especially full text database, among postgraduate students in the University of Ibadan revealed that they need to be more competent in using communication technologies, including computers and associated skills such as desktop publishing, database management, programming, and web page design to navigate in an electronic environment" (2016).

No of respondents (%) 20 And the state of th

Among postgraduate students, 178 (42%) have a high level of competence. The 84 (20%) of them have average, followed by 63 (15%) have a low level of competence in using the digital resources.

Levels of awareness Vs frequency of use of digital resources

Always information, knowledge and practice are interconnected. Most of the time users who have knowledge or awareness about the resources are effectively use the resources. Manjula and Padmamma study reveals lack of awareness about the digital resources influence on the less use of those resources by the faculty. The lack of awareness may be because of their library is not subscribing or no individual subscription or there was no awareness program conducted by the library (2016). The current study is undertaken to find out the effect of level of awareness on frequency of use of the digital resources.

Table 4 Levels of awareness Vs frequency of use of digital resources

Digital resources	Frequ More	ency of use	igitai reso	urces		
awareness	freque ntly	Frequen tly		Never	Total	P Value
Very	100(74)	E-boo	Complete State of the State of			
much	(1)	108(66)	62(70)	25(73)	295	<0.001
					(70)	

aware	25(26)	49(30)	20(22)			_
More	35(26)		20(23)	2(6)	102(25)	
aware Somewh	0(0)	7(4)	0(0)	7(21)	21(5)	
at aware Not	0(0)	0(0)	0(0)	0(0)	0	
aware	135(32)	164(39)	89(21)	34(8)	422	
Tota≬		E-Jour	nals			
Very much	198(87)	115(65)	16(94)	0(0)	329(78)	
aware More	23(10)	56(32)	1(6)	0(0)	80(19)	<0.001
aware Somewh at aware	7(3)	6(3)	0(0)	0(0)	13(3)	-0.001
Not aware	0(0)	0(0)	0(0)	0(0)	0(0)	
Total	228(54)	177(42)	17(4)	0(0)	422	
	The second	MEDLINE /	PUBMED			
Very much aware	297(90)	24(63)	37(81)	5(62)	363(86)	7
More aware	19(6)	9(24)	7(15)	3(38)	38(9)	<0.00
Somewh at aware	14(4)	5(13)	2(4)	0(0)	21(5)	
Not aware	0(0)	0(0)	0(0)	0(0)	0(0)	
Total	330(78)	38(9)	46(11)	8(2)	422	
CINHA	AL(Cumula	tive Index o Litera	f Nursing an	d Allied I	Health	
Very much aware	0(0)	0(0)	53(15)	0(0)	63(15)	
More aware	0(0)	0(0)	80(19)	0(0)	80(19)	
Somewh at aware	0(0)	0(0)	93(22)	0(0)	93(22)	
Not aware	0(0)	0(0)	186(44)	0(0)	186(44)	

	(55)841	(35)	(0)0	(0)0	(0)0	аф амаге Зотемр
	(6)88	(6)8£	(0)0	(0)0	(0)0	More aware
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1000.0>	(11)27	(91)25	5(12)	(45)11	(6)7	More Aware
	(21)15	(8)67	(94)9	(52)7	(£4)6	Very much aware
	1		tzə	Proqu		
	775	(16) 384	(4)/1	(1)†	(4)/1	Total
	(35(32)	(35)	(0)0	(0)0	(0)0	Vot aware
100.0>	(30)	(0E) 211	2(59)	(0)0	4(53)	Somewh at aware
	(17)68	(61) \$1	(67)5	(s)t	(67)\$	More
	(11)71	(51)/5	(14)/	(0)0	(84)8	Aery Wery Wery
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(0)0		(-)-	(0)0	(0)0	More
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1)9/	(81)0/	(0)0	(0)0	(0)0	дмаге Зотемр
			(0)0	(0)0	More
1)55	(51)55	(0)0	(0)0	(0/0	тисћ Вууате
		(1)	(0)0	(0)0	Very
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				(0)0	Total
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0(0)	0(0)	0(0)	55(13)		
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Lynn an	0(0)	0(0)	135	135(32)	
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0(0)	0(0)	0(0)	422	422	
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much				'(1)	4(1)	
aware	0(0)	0(0)	0(0)			
More	0(0)		0(0)	26(6)	26(6)	1
aware	0(0)	0(0)	0(0)	16(1)		
Somewh at aware	. ,		1(0)	46 (11)	46(11)	1
Not Not	0(0)	0(0)	0(0)	346	214/02	1
aware				(82)	346(82)	
1 4	0(0)	0(0)	0(0)	422	422	1
Total	DODI IN	F (Populatio	- I-C	(100)		
			n Information			
Very	0(0)	0(0)	0(0)	0(0)	0(0)	1
much	- Indiana				Acres de	
aware	0(0)	0(0)	0(0)	0(0)	0(0)	Salara -
More aware	0(0)		(0)	0(0)	0(0)	1.1
Somewh	0(0)	0(0)	0(0)	13(3)	13(3)	1
at aware					(-)	
Not	0(0)	0(0)	0(0)	409	409(97)	1
aware	2 (2)	0(0)	0(0)	(97)	2(2)	
m 4-1	0(0)	0(0)	0(0)	422 (100)	0(0)	
Total		Scor	l	(100)		4.0
12	21/55)		15(17)	38(16)	93(22)	- 4
Very	21(55)	19(32)	13(17)	36(10)	73(22)	
aware	2					
More	5(13)	24(41)	44(49)	33(14)	106(25)	
aware		_ (, -,				<0.0001
Somewh	12(32)	10(17)	16(18)	88 (37)	126(30)	
at aware				77 (22)	97(23)	
Not	0(0)	6(10)	14(16)	77 (33)	91(23)	
aware	20(2)		00(21)	236	422	
Total	38(9)	59(14)	89(21)	(56)	,	
- Otal		Chemical A	hetracts			
Very				0(0)	0(0)	1
much	0(0)	0(0)	0(0)	0(0)		•
aware				7	2(0)	V 1
More	0(0)	0(0)	0(0)	0(0)	0(0)	
aware	0(0)	0(0)	0(5)		No. of Contract of	1813

Somewh	0(0)	0(0)				
at aware	0(0)	0(0)	0(0)	384	384(91)	
Not	0(0)			(91)		
aware	0(0)	0(0)	0(0)	422	422	
	0(0)			(100)		
Total		Consor	tium			
	T (Health S	cience Libra	ary & Inforn	nation Net	work)	
HELINE	T (Hearth 5	72(90)	34(100)	30	401	
Very much	265(95)	72(90)		(100)	(95)	
More	5(2)	8(10)	0(0)	0(0)	13(3)	0.002
Somewh	8(3)	0(0)	0(0)	0(0)	8(2)	
Not aware	0(0)	0(0)	0(0)	0(0)	0(0)	
Total	278(66)	80(19)	34(8)	30(8)	422	
		" " I T "I	Eleatre	onic Resou	irces in	
ERMED	(National M	Medic	cine)			
Very much aware	(National M	Medical Libi Medical 0(0)	0(0)	0(0)	0(0)	
Very much		Medic	cine)			
Very much aware More	0(0)	0(0)	0(0)	0(0)	0(0)	
Very much aware More aware Somewh	0(0) 0(0) 0(0)	0(0) 0(0)	0(0) 0(0)	0(0)	0(0) 0(0) 8(2) 414(98)	-
Very much aware More aware Somewh at aware Not	0(0)	Medie 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 8(2) 414	0(0)	arraying.
Very much aware More aware Somewh at aware Not aware Total	0(0) 0(0) 0(0) 0(0)	Medie 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 8(2) 414 (98) 422	0(0) 0(0) 8(2) 414(98)	
Very much aware More aware Somewh at aware Not aware Total Very much aware	0(0) 0(0) 0(0) 0(0) 0(0)	Medie 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 8(2) 414 (98) 422	0(0) 0(0) 8(2) 414(98)	
Very much aware More aware Somewh at aware Not aware Total Very much aware More aware	0(0) 0(0) 0(0) 0(0) 0(0)	Medie 0(0) 0(0) 0(0) 0(0) EBSCO P	0(0) 0(0) 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 8(2) 414 (98) 422 (100)	0(0) 0(0) 8(2) 414(98) 422	
Very much aware More aware Somewh at aware Not aware Total Very much aware More	0(0) 0(0) 0(0) 0(0) 0(0)	Medie 0(0) 0(0) 0(0) 0(0) 0(0) EBSCO P 0(0)	0(0) 0(0) 0(0) 0(0) 0(0) 0(0) 0(0) 0(0)	0(0) 0(0) 8(2) 414 (98) 422 (100) 8(2)	0(0) 0(0) 8(2) 414(98) 422 8(2)	

	0(0)	0(0)	0(0)	422		
Total		E-theses & D		(100)	422	$\overline{}$
						\perp
Very much aware	68(89)	76(82)	96(67)	77(70)	317(75)	
More aware	3(4)	17(18)	18(13)	4(4)	42(10)	-
Somewh at aware	0(0)	0(0)	17(12)	0(0)	17(4)	<0.00
Not aware	5(7)	0(0)	12(8)	29(26)	46(11)	
Total	76(18)	93(22)	143(34)	110 (26)	422	
		Institutional	Repository		7 15	
Very much aware	38(43)	23(45)	17(100)	57(22)	135(32)	
More aware	1(1)	12(23)	0(0)	21(8)	34(8)	<0.001
Somewh at aware	1(1)	2(4)	0(0)	35(13)	38(9)	10.00
Not aware	49(55)	14(28)	0(0)	152 (57)	215(51)	
Total	89(21)	51(12)	17(4)	265 (63)	422	
		Image dat	abases			
Very much aware	0(0)	0(0)	2(9)	6(1)	8(2)	
More aware	0(0)	0(0)	3(14)	15(4)	18(4)	0.023
Somewh at aware	0(0)	0(0)	0(0)	76(20)	76(18)	
Not aware	8(100)	4(100)	17(77)	291 (75)	320(76)	
Total	8(2)	4(1	22(5)	388 (92)	422	
atter to	Fadison	ssion Forums	& News grou	ıps		<0.001
Very nuch	23(49)	5(17)	1(8)	85(26)	114(27)	40.001

				1 1		
aware		19(63)	6(46)	89(27)	127(30)	
More	13(28)	19(03)		12/213		
aware		4(13)	1(8)	69(21)	80(19)	
Somewh	6(13)	4(15)		00(27)	101(24)	
at aware	7(11)	2(7)	5(38)	89(27)	101(24)	
Not	5(11)	- (/	12(2)	332	422	
aware	47(11)	30(7)	13(3)	(79)	422	
Tabel	4/(11/			(1)		
Total		Library we		T		
	11(37)	5(11)	8(9)	27(11)	51(12)	
Very	11(37)					
much			(00)	27(11)	72(17)	1
More	14(47)	11(24)	20(22)	27(11)	72(17)	
aware			22(25)	46(18)	97(23)	₹0.000
Somewh	5(17)	24(52)	22(25)	40(10)	31(23)	
at aware			20(44)	156	202(50)	EL CONTRACTOR
Not	0(0)	6(13)	39(44)	(49)	202(30)	100
aware		16(11)	89(21)	257	422	1
	30(7)	46(11)	07(21)	(61)		
Total					e and us	ad mara

The postgraduate students are very much aware and used more frequently e-books (74%), e-journals (84%), Medline (90%), Cochrane Library (48%), Scopus (55%), HELINET Consortium (95%) and E-theses and E-dissertations (89%). Further, the resources which are having very much aware, but never used are PubMed (76%) and MDConsult / Clinical Keys (90%). The E-discussion forums are the resources, have more awareness among postgraduates and used frequently (65%). The Proquest (48%) and the Wiley Online Library (40%) are the resources never used by the postgraduates even though they are somewhat aware about these resources.

The postgraduates are not aware about CINHAL, but using it occasionally CINHAL (44%), But, all most all the postgraduates using Surprisingly, the study reveals the this database occasionally. majority of the postgraduates responded they are not aware and never used IndMed (58%), WorldCat (88%), MedInd (60%), ScienceDirect (45%), J-Gate (65%), Chemical Abstracts (91%), Biological Abstracts (82%), Popline (97%), Ermed (98%), EBSCO Publishing (97%), Institutional Repositories (57%), Library Web Portals (49%) and Image databases (75%).

Findings of the study

The maximum number of study subjects in the study was in the

The greater part of the respondents are from an urban background

The postgraduates are very much aware about HELINET (95%), followed by MEDLINE / PUBMED (86%), E-journals (78%), Edissertations (75%) and E-books (70%). They do not know about MD Consult / Clincal Keys, WorldCat, Biological Abstracts, Popline, Chemical Abstracts, ERMED, EBSCO Publishing, etc.

The majority of the postgraduate students were using Medline / PUBMED more frequently (78%) than the other resources, followed by HELINET (66%). The frequently used resources are e-journals (54%), e-books (32%) and PUBMED Central (32%).

Among the respondents, 178 (42%) have a high level of competence in using the digital resources. The orientation on digital resources is required.

They have suggested that, the library web page should also provide the information about the subscribed and open access resources related to medical field.

Librarians should conduct workshops on the different information sources available on the internet, their features, how best they can make useful, etc.

It is also suggested that, libraries should also participate in the consortium, other than the HELINET.

Conclusion

Medical postgraduates need to update their knowledge about information resources and access; otherwise it is very difficult to track the growing knowledge. Specially, in the medical field, information is utilized immediately for the life and death of patients. And the information is doubling in very short span and identifying the authentic information is still difficult. Literature search skills can help in finding authentic information in time.

The increase in the digital media influence on the large quantity of information generation. With this effect, the time gap between the information generation and its utilization has reduced drastically; it's all because of the influence of ICT. Organising the new forms of information and communicating to its end user is a challenging job for the librarians. The librarians role as a mediator to connect the information to its end user plays vital role at this juncture. Even

continuing education for library professionals is also very important. The knowledge gained in continuing education can be applied to store, organize and to disseminate the ever growing digital information.

The study findings are helpful for librarians in collection development, conducting awareness programs on less used resources to bring them into main stream to enhance their usege.

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